

Title (en)

SOLID-STATE IMAGING DEVICE AND METHOD FOR MANUFACTURING SAME

Title (de)

FESTKÖRPERBILDGEBUNGSVORRICHTUNG UND VERFAHREN ZUR HERSTELLUNG DAVON

Title (fr)

DISPOSITIF D'IMAGERIE À SEMI-CONDUCTEUR ET SON PROCÉDÉ DE FABRICATION

Publication

**EP 4270451 A1 20231101 (EN)**

Application

**EP 21910247 A 20211206**

Priority

- JP 2020217541 A 20201225
- JP 2021044625 W 20211206

Abstract (en)

Provided is a solid-state imaging device capable of suitably forming a pixel separation section in a pixel separation groove, and a method for manufacturing the solid-state imaging device. A solid-state imaging device of the present disclosure includes a first substrate, a plurality of photoelectric conversion sections provided in the first substrate, and a pixel separation section provided between the photoelectric conversion sections in the first substrate and provided on a side surface of the first substrate that is a {100} plane.

IPC 8 full level

**H01L 21/3205** (2006.01); **H01L 21/768** (2006.01); **H01L 23/522** (2006.01); **H01L 27/146** (2006.01)

CPC (source: EP KR US)

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Designated contracting state (EPC)

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Designated extension state (EPC)

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Designated validation state (EPC)

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**EP 4270451 A1 20231101**; **EP 4270451 A4 20241113**; CN 116670804 A 20230829; JP WO2022138097 A1 20220630; KR 20230123941 A 20230824; TW 202226564 A 20220701; US 2024006446 A1 20240104; WO 2022138097 A1 20220630

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**EP 21910247 A 20211206**; CN 202180085150 A 20211206; JP 2021044625 W 20211206; JP 2022572071 A 20211206; KR 20237019258 A 20211206; TW 110142861 A 20211118; US 202118257921 A 20211206